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**PUCCINIA PECKII (DeToni) Kellerm. N. N.***Infection Experiments and Correction of Labels, O. F.*

W. A. KELLERMAN

A great quantity of aecidium on *Onagra biennis* (L.) Scop. (*Oenothera biennis* L.) was noticed the past season adjacent westward to a still larger area, two or three acres in extent, of *Carex trichocarpa*, in a broad and partially drained swail a few miles south of Columbus. This suggested the probable connection of the abundant Rust on the Sedge with the equally abundant Aecidium on the Evening Primrose.

The Rust seemed to be the form usually called *Puccinia caricis*, or *Puccinia caricina*, of wide distribution on this host. Under the name of *Puccinia caricina* specimens were issued in the second fascicle of Ohio Fungi as No. 28; the aecidium on *Onagra* was issued as No. 17 in the same set of exsiccata.

Inoculation experiments have just been completed, sowings of the teleutospores from the *Carex* producing abundant spermatogonia and aecidia on the *Onagra*. I am able to state also that Dr. Arthur has at the same time carried out similar infection experiments with material which I furnished from the *Carex* growing in the area referred to above. He has also used with similar positive results spores on this host from many localities in the states of Iowa and Wisconsin, as stated in a letter just received. This confirmation of results obtained by each of us is very gratifying, and it is with Dr. Arthur's approval that I propose the new combination as above.

It becomes necessary, therefore, to correct the labels of O. F. Nos. 17 and 28; they should be as follows:

17. *Puccinia peckii* (DeToni) Kellerm. Aecidiospores.
28. *Puccinia peckii* (DeToni) Kellerm. Teleutospores.

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**NOTES ON THE NORTH AMERICAN MYCOLOGICAL LITERATURE OF 1901**

W. A. KELLERMAN

The activity of the American mycologists is shown in the very large number of important contributions published in magazine or book form. A large list of new species has been described by Ellis & Everhart, Thaxter, Earle, Peck, Griffiths, A. L. Smith, Dietel and Holway, Arthur, Tracy, Clements, Olive, and others. Lloyd is continuing the generous distribution of his Mycological Notes, mostly with illustrations.

Important contributions in Morphology and Cytology have also appeared. Several text-books have been issued, a fair amount of space generally being allotted to Fungi. One that deserves special mention here is Campbell's University Text-book of Botany<sup>1</sup> which will doubtless prove invaluable to the general student. Nearly four pages are devoted to the Myxomycetes, six to Bacteria, and forty-seven pages to the Fungi. A good general discussion introduces each subject; then follows the more recent classification with life histories of many representatives, illustrated with numerous and very satisfactory figures. Half-tones, the fad of the day, but indispensable in illustrating some subjects, do not occur in this portion of the text.

In Bacteriology we have an admirable treatise by Conn,<sup>2</sup> no less indispensable to the professional botanist than to the amateur and general reader. The simple, clear style, free from technical terms, makes this an attractive book, full as it is of up to date general Bacteriology, given in chapters that deal with the Nature of Bacteria, Fermentation, The Manure Heap and Sewage, Bacteria in the Dairy, and Parasitic Bacteria. Other topics amply treated are the Origin of Soil, Bacteria in Water, Bacteria relative to Farm Products, Preservation of Foods, Resistance Against Bacteria, Anthrax, Tuberculosis and other Bacterial Diseases, and Disinfection.

For students and amateurs interested in Mushrooms the treatises of Professor Atkinson<sup>3</sup> and Nina L. Marshall<sup>4</sup> and also Peck's Report of the State Botanist for 1900<sup>5</sup> are important and admirable, even sumptuous publications. In this group is manifest the indispensable aid of camera and brush. The Marshall book is designed for beginners, and is to be highly commended. Even moderate concentration and patience on the part of amateurs will yield good returns, and accurate as well as useful knowledge of our higher fungi may be gained with the book and the specimens in hand. Atkinson's book is more extensive and ought to be in the hands of all interested in Mushrooms, the amateur no less than the student and professional botanist. The perfect pictures of the species are accompanied by plain scientific

(1) A University Text-book of Botany. Douglass Houghton Campbell. New York. The Macmillan Company. 1902. Pp. XV and 579.

(2) Agricultural Bacteriology. H. W. Conn. Philadelphia. P. Blakiston's Son & Co. Pages VI and 412. Price \$2.50. 1901.

(3) Mushrooms edible, poisonous, etc. George Francis Atkinson. Ithaca, N. Y. Andrews & Church. Pages 322. With 230 photographs and colored plates.

(4) The Mushroom Book, A Popular Guide. Nina L. Marshall. New York. Doubleday, Page Co. Pages 167. With many illustrations in color and black and white, photographer from nature. Price \$3.00.

(5) Reprinted from the 54th Annual Report of the New York State Museum.

text. The scope of the work can be seen by the more important chapter headings, as Form and Character of the Mushrooms, Development of the Mushroom, the Agarics (and other groups), Collection and Preservation of the fleshy Fungi, Cultivation of Mushrooms, Recipes for Cooking Mushrooms, Chemistry and Toxicology of Fungi, Analytical Key, and Glossary. Peck's fine and well-illustrated Reports, this as well as those of previous years, cannot be too highly commended, and fortunate are those who are successful in procuring copies. Besides the new species described in this Report, including a synoptical table of New York species of *Trametes*, pp. 173-186 are devoted to an account of Edible Fungi; accompanied by thirteen double-page colored plates.

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## INDEX TO NORTH AMERICAN MYCOLOGY

*Alphabetical List of Articles, Authors, Subjects, New Species and Hosts.*

W. A. KELLERMAN

This installment of the Index represents the mycological literature of North America for the entire year 1901. Authors are asked kindly to assist in prompt publication of the index of their articles hereafter by forwarding copies of Magazines which contain the same or of separates, with original paging, volume, date, etc.

The possible omissions for 1901, or failure of prompt listing of articles, authors and subjects in the future, will be much regretted, and an earnest request is hereby expressed that attention may be called immediately to such items by the authors themselves.

Separates will be issued *printed on one side of page only*; the opposite blank page serving for corrections or additional entries or notes by those using the list.

Working mycologists and those in charge of libraries can with very little labor, if desired, *use the reprints for card-indexing*, the separate items being clipped from the pages and pasted on the library cards.

It is designed to issue separately, as indicated above, once a year, the accumulated references properly placed in alphabetical order.

**ABIES** *alba* and *A. balsamea* (Balsams), a new disease of. (*Trimmatostroma abietina* Doherty.) *An. Rep. Ontario Agr. Coll. & Exp. Farm*, 1900, 26:20. 1901.

**ABIES** *lasiocarpa* Nutt., host to *Peridermium ornamentale* Arthur sp. nov. *Bull. Torr. Bot. Club*, 28:665. Dec. 1901.